



MAJOR TRANSPORTATION & REGIONAL COOPERATION COMMITTEE

March 1, 2016

RECENT DEVELOPMENTS

- Civil construction punch list work and testing continues
- Testing and training activities:
 - Rerailing equipment training
 - PIS-PAS-PA & CCTV testing
 - OCS maintenance training
 - Wheel Truing Machine training & commissioning
- Streetcar #1178 (unit #4) – arrived in Cincinnati February 11
 - Post-delivery testing – Feb 19
- Streetcar #1177 (unit #3) – arrival in Cincinnati – March 2
- Communication/outreach efforts continue through RoadMapCincy and regular stakeholders meetings



BUDGET VS. EXPENSES

Through 2/28/16 - DRAFT

BUDGET - June 2013		EXPENSES 2/28/2016		
Budget Category	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Pre-Development	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
Design	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Real Estate	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Construction	\$ 52,511,908.33			
MOF	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ 66,799,920.37	\$ 4,585,062.56	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 3,415,733.66	\$ 2,251,124.48	\$ 5,666,858.14
Vehicles	\$ 25,213,095.40	\$ 11,141,099.01	\$ 12,810,821.49	\$ 23,951,920.50
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,441,476.27	\$ 3,543,087.02	\$ -	\$ 3,543,087.02
SORTA Project Administration	\$ 2,100,000.00	\$ 1,191,243.17	\$ 808,756.83	\$ 2,000,000.00
Start-up	\$ 250,000.00	\$ -	\$ -	\$ -
Unallocated Contingency	\$ 4,991,010.00	\$ 3,693,294.70	\$ 1,035,332.93	\$ 4,728,627.63
Subtotal	\$ 133,078,277.97	\$ 107,373,236.92	\$ 21,559,828.01	\$ 128,933,064.93
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Grand Total	\$ 148,078,277.97	\$ 122,373,236.92	\$ 21,559,828.01	\$ 143,933,064.93

* Construction Expenditures include \$2.938 Million in unreleased retainage on MPD contract .
Vehicle Expenditures include \$410,344 in unreleased retainage on CAF contract

CONTINGENCY USAGE

Through 2/18/16

Through:	February 18, 2016				
Budget Category	Contingency Budget	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
ALLOCATED CONTINGENCY					
Pre-Development	\$ -	\$ -			\$ -
Design	\$ 202,370.96	\$ -			\$ 202,370.96
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000.00	\$ 1,515,500.32	\$ 278,405.00	\$ -	\$ 206,094.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ -			\$ 77,207.23
Vehicles	\$ 2,101,722.40	\$ 977,100.75			\$ 1,124,621.65
Fare Vending	\$ 50,000.00	\$ -			\$ 50,000.00
City Project Administration	\$ 190,800.63	\$ -	\$ 190,800.63		\$ -
SORTA Project Administration	\$ 100,000.00	\$ -			\$ 100,000.00
Start-up	\$ -	\$ -			\$ -
Subtotal	\$ 4,722,101.22	\$ 2,492,601.07	\$ 469,205.63	\$ -	\$ 1,760,294.52
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,385,418.50		\$ 879,133.00	
Construction		\$ 2,029,170.11		\$ 223,538.00	
City Project Administration	\$ 4,991,010.00		\$ 802,393.54		\$ (937,591.46)
Design		\$ 608,948.31			
Subtotal	\$ 4,991,010.00	\$ 4,023,536.92	\$ 802,393.54	\$ 1,102,671.00	\$ (937,591.46)
Utilities (Duke Escrow)	\$ -				\$ -
Grand Total	\$ 9,713,111.22	\$ 6,516,137.99	\$ 1,271,599.17	\$ 1,102,671.00	\$ 822,703.06

GRANT DRAWDOWN SUMMARY

Through 2/28/16

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453	\$ -	\$ -
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 918,468		\$ 470,077
		12.23.03	Construction	\$ 12,598,000	\$ 12,598,000		\$ (0)
		12.13.20	Vehicles	\$ 11,002,000	\$ 7,606,846		\$ 3,395,154
Subtotal				\$ 24,989,998	\$ 21,124,767	\$ -	\$ 3,865,231
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000		\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Rail ROW Grant	OH-90-X265	13.73.00	Contingency	\$ 268,278	\$ 268,278		
Subtotal				\$ 268,278	\$ 268,278	\$ -	\$ -
TIGER 3	OH 79-0002	12.79.00	City Project Admin.	\$ 154,545	\$ 154,545	\$ -	\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 34,434		\$ 177,019
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000		\$ (0)
Subtotal				\$ 15,919,998	\$ 15,742,980	\$ -	\$ 177,018
TOTAL				\$ 45,178,274	\$ 41,136,025	\$ -	\$ 4,042,249

* Budget revision on 9/16/15 moved \$4.998 M from Urban Circulator ALI 12.13.20 to 12.23.03

** Drawn + Pending = 91.1% of Federal grant funds



VEHICLES

- Testing and training activities ongoing:
 - Rerailing equipment training
 - PIS-PAS-PA & CCTV testing
 - OCS maintenance training
 - Wheel Truing Machine training & commissioning
- Streetcar #1178 (unit #4) – arrived in Cincinnati February 11
 - Post-delivery testing conducted – Feb 19
- Streetcar #1177 (unit #3) – arrival in Cincinnati – March 2
- Streetcar #1179 (Unit #5) projected by CAF to arrive in April
 - City working with CAF to refine and accelerate schedule for final vehicle shipment
 - Will require additional engineering support from LTK

VEHICLES

- Close out of remaining open vehicle items
 - CAF crew and manager arriving in Cincinnati from Elmira starting March 1 to complete work on punch list items
- Burn-in (500km testing)
 - Close out of certain punch list items necessary for this occur
- Special tools and spare parts delivery
- Remaining maintenance and operator training

START UP

- Enforcement of parking and traffic regulations along streetcar route needed
 - Double parking
 - Parking too far from curb
 - Blocking streetcar tracks
- Track Access Permitting coordination underway
 - Transdev providing training to utility workers
 - City ROW coordinating with Transdev for TAP
- Public familiarity with streetcar operations

RISK/CONTINGENCY ITEMS

- CONSTRUCTION
 - Traffic signal modifications may be needed to facilitate signal operation
 - MOF Modifications – align facility to operational needs
 - Additional capital equipment needs identified as part of start up (some budget exists for this)
- VEHICLES
 - CAF delays will require additional engineering support from LTK
 - Spare parts & special tools delivery, training still required
 - Issues identified during burn-in could take time to resolve
- SAFETY & SECURITY CERTIFICATION/INTEGRATED TESTING
 - Issues identified during integrated testing and safety certification may require redesign or additional construction work



PLANNING & OPERATIONS UPDATE



OPERATIONS & MAINTENANCE UPDATE

MARCH 2016



KEY SCHEDULE MILESTONES

March 2016 – Fourth vehicle (#3) delivery



March 2016 -- Final Documents to ODOT



March 2016 -- Integrated testing complete / vehicle burn-in commences



April 2016 -- Completion of civil construction



Spring 2016 -- All system turnovers complete



May/June 2016 -- Transdev mobilization, phase 2



July 2016 -- TVMs installed



July/August 2016 -- Simulated revenue service



September 2016 -- Start of passenger service



SAFETY AND SECURITY

- Safety/Security Certification:
 - SSRC meeting weekly
 - FLSSC meeting bi-weekly
 - On schedule to submit required documentation to ODOT*
 - System Safety Program Plan
 - Security and Emergency Preparedness Plan
 - Emergency Operations Plan

** Documentation required six months prior to start of revenue service.*



WHEEL-TRUING MACHINE

- Delta Manufacturing on-site week of 2/22
- Successful commissioning of machine
- Training
- All eight wheels on 1175 re-profiled





TRAPEZE TRANSITMASTER

- Trapeze subcontractor Blackbear on-site
- Commissioning and testing 1175/1176
 - Radios (voice/data)
 - Automatic passenger counters (APC)
 - Mobile data terminal/computer-aided dispatch
 - Automatic vehicle location



TURNOVER

- Track access turned over to SORTA/Transdev on 2/1/2016
- Training on OCS and TPSS complete
- Special tools ordered
- SORTA/Transdev to take over OCS power control in March 2016
- SORTA to assume utilities as part of Streetcar Inter-Governmental Agreement Amendment #7



TRANSDEV MOBILIZATION

- Hires:
 - Transportation Supervisor
 - Supervisors will train operators
 - Vehicle Maintenance Technicians
- Upcoming hires:
 - Vehicle Operators (first group)
- Rulebook and SOP updates ongoing



FARE COLLECTION

- Ticket Vending Machines (TVMs) in testing and commissioning
 - TVMs will be tested and commissioned prior to installation
- Metro fare media changes
 - E-fare
 - Smartcard
 - Pay-by-phone



FARE COLLECTION

- Fare products valid on Streetcar
 - Streetcar hourly and daily passes
 - Transfer privileges to/from Metro bus
 - Existing stored value
 - Metro daily and 30-day rolling passes
 - Special passes (convention passes, etc.)
- Metro is examining an annual pass as part of Cincinnati City Council recommendations



FARE POLICY

- Integrated Metro/streetcar fare
- Title VI analysis
- Key elements of policy design
 - Maximize ridership of streetcar and Metro bus
 - Avoid over-complication of fare structure
 - Avoid creation of separate types of riders
 - Metro bus versus streetcar



FARE POLICY

- Time-based fare
- Streetcar fares
 - 2-hour ticket \$1.00
 - Fare Deal (mandatory half fare) \$0.50
 - Day pass (3 a.m. reset) \$2.00
- Streetcar follows Metro fare policy rules:
 - Child fare height requirements, uniformed police officers, employees, etc.



FARE POLICY

- **Transfer from Metro bus to streetcar:**
 - Streetcar accepts Metro transfer
 - 2-hour validity
 - \$2.25 total one-way trip fare
 - \$1.75 Metro Zone 1 fare + \$0.50 transfer
- **Transfer from streetcar to Metro bus:**
 - Metro \$1.00 fare with streetcar ticket
 - 2-hour validity
 - \$2.00 total one-way Metro Zone 1 trip fare



FARE POLICY

- **Metro passes valid on streetcar:**
 - 30-day rolling pass
 - Day pass
 - Fare Deal sticker
- **Metro passes *not valid* on streetcar:**
 - University passes
 - Cincinnati Public Schools passes
 - Employer transit program passes



OPERATIONAL READINESS 6 MONTHS TO GO

Staff selection/hiring:

- Management and Supervision- one outstanding Transit supervisor in process. All others completed
- Maintenance-All completed except for one Streetcar Cleaner and DBE landscaping/platform cleaning subcontractor
- Transportation-Ten operators in process to be completed by April 4 for start of first training class



Procedures, Plans, and Rulebook

All draft SOP's have been vetted through SORTA's consultant and the FTA consulting team. Minor modifications suggested and implemented. Final draft of all completed.

Maintenance and Operations plans in second draft to be finalized by March 15, 2016. Maintenance training plans completed and training in progress. Operator Training Plans to be completed by March 15, 2016.

Rulebook vetted and minor suggestions implemented. Final draft completed.

Integrated testing plan support nearing completion with final streetcar testing.



Training Progress

Train the trainer concept- Three transportation supervisors in progress to be completed by April 1, 2016.

Operators first class start date is April 4, 2016. Three classes to be completed by August 1, 2016.

Streetcar maintainers classes in process for streetcar and support equipment.

Maintenance of Wayside maintainers in process for OCS, Traction Power substations, track and facilities (MOF and Platforms).

Track Access Training in progress. First class of approximately 30 Duke energy employees completed this morning, other classes scheduled for Duke and other contractors working on the alignment from this point forward.



Safety Certification

Finalized policies, procedures, plans and rulebook to be certified by July 15, 2016.

All required staff to be certified by July 31, 2016.

All operations and maintenance trackway simulations to be completed from May through August, 2016.

Pre-revenue operations anticipated to begin August 1, 2016.



SAFETY COMMUNICATIONS

Be Streetcar Safe banners in high-traffic locations:

- Coffee Emporium (pictured)
- Findlay Market
- School for the Creative and Performing Arts (2)
- Main Public Library (2)





MOBILIZATION AND START UP ACTIVITIES

MARCH 2016



QUESTIONS

